

Hexcel® HexPly® ES/EH 84 120°C Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® ES/EH 84 matrix is a structural epoxy resin for tubular parts designed for low pressure curing in the manufacture of sports goods and for industrial applications. It is ideal for the following processes: shrink wrap tape, vacuum bag, press and autoclave manufacturing methods. HexPly® ES 84 is supplied with fabric reinforcement. HexPly® EH 84 is a UD tape. Features: Maximum service temperature 85°C (185°F), Low exotherm, Low pressure moulding, Good surface aspect, Low viscosity, Low density, Versatile cure process 100-140°C (212-285°F), Good flexibility

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-ESEH-84-120C-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in³	Cured resin

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO R527
Elongation at Yield	2.1 %	2.1 %	ISO R527
Tensile Modulus	3.00 GPa	435 ksi	ISO R527

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	95.0 °C	203 °F	DMA

Processing Properties	Metric	English	Comments
Shelf Life	14.0 Month @Temperature -18.0 °C	14.0 Month @Temperature -0.400 °F	

Descriptive Properties	Value	Comments
Tack Life (days)	30	

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